

CLAIM AMENDMENTS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) An automated method of adjusting digital subscriber line (DSL) performance, the method comprising:

evaluating a performance of each of a plurality of DSL lines using a computer based system;

automatically selecting a set of DSL lines from the plurality of DSL lines, the set of DSL lines having degraded performance characteristics based on historical performance data accessible with respect to the computer based system;

retrieving a plurality of line profiles from a profile database;

measuring a performance parameter for each of the set of DSL lines;

removing from the set of DSL lines any DSL lines that have suitable performance based on the measured performance parameter to create a revised set of DSL lines with degraded performance, wherein each DSL line in the revised set of DSL lines is associated with a corresponding physical DSL line; and

applying one of the plurality of line profiles to each of the physical DSL lines identified by the revised set of DSL lines.

2. (Original) The method of claim 1, further comprising storing data associated with the set of DSL lines.

3. (Original) The method of claim 2, further comprising reporting the stored data using a remote internet browser reporting tool.

4. (Original) The method of claim 3, wherein the data reported includes a list of problem lines selected, a list of lines that fail in the profile application process, an identity of lines that are adjusted, and performance data before and after application of the line profiles to each of the physical DSL lines.

5. (Original) The method of claim 1, wherein each of the set of DSL lines is associated with one of the plurality of line profiles before the step of measuring a performance parameter for each of the set of DSL lines.

6. (Currently amended) The method of claim 5, wherein at least some of the plurality of line profiles associated with the set of DSL lines are the same line profiles that are applied to each of the physical DSL lines.

7. (Currently amended) The method of claim 1, further comprising reporting an error message wherein when one of the DSL lines identified by the revised set of DSL lines does not have suitable performance after applying one of the plurality of line profiles to the corresponding physical DSL line, application of one of the plurality of line profiles to a physical DSL line fails and where an error message is reported.

8. (Original) The method of claim 1, wherein at least one of the plurality of line profiles is an interleaved channel profile.

9. (Original) The method of claim 8, wherein a second of the plurality of line profiles is a reduced speed profile.

10. (Currently amended) An automated digital subscriber line performance control system comprising:

- a computer system including a logic module to evaluate a performance of each of a plurality of DSL lines and to automatically select a set of DSL lines from the plurality of DSL lines, wherein the set of DSL lines has degraded performance characteristics based on historical performance data;
- a line profile database responsive to the computer system, the line profile database providing configured to provide a plurality of line profiles in response to a request from the computer system, and
- a digital subscriber line access multiplexer (DSLAM) coupled to the computer system, ~~the digital subscriber line access multiplexer~~ DSLAM configured to measure a performance parameter of associated with a first physical DSL line of a plurality of physical DSL lines, wherein each DSL line in the set of DSL lines is associated with a corresponding physical DSL line, the DSLAM and further configured to change apply a line profile selected from the plurality of line profiles for to the at least one of the plurality of first physical DSL line lines.

11. (Currently amended) The system of claim 10, further comprising a remote reporting system, the remote reporting system providing to provide DSL performance data to a user.

12. (Currently amended) The system of claim 11, wherein the DSL performance data includes an identification of each of the DSL lines selected, a first set of data for the DSL lines selected, and a second set of data for the DSL lines selected.

13. (Currently amended) The system of claim 12, wherein the first set of data is captured before application of ~~a~~ the line profile and the second set of data is captured after application of the line profile.

14. (Currently amended) The system of claim 10, wherein at least one of the plurality of line profiles is an interleaved channel profile. ~~The method of claim 1, further comprising storing data associated with the set of DSL lines.~~

15. (Original) The system of claim 10, further comprising a display terminal to report stored performance data using a remote internet browser reporting tool.

16. (Original) The system of claim 15, wherein the data reported includes a list of problem lines selected, a list of lines that fail in the profile application process, an identity of lines that are adjusted, and performance data before and after application of the line profiles to each of the physical DSL lines.

17. (Currently amended) The system of claim 10, wherein each of the set of DSL lines is associated with one of the plurality of line profiles provided by the line profile database.

18. (Currently amended) The system of claim 17, wherein, for each DSL in the set of DSL lines, a line profile is applied to the corresponding physical DSL line, and wherein at least some of the plurality of line profiles associated with the set of DSL lines are the same line profiles that are applied to each of the physical DSL lines.

19. (New) The system of claim 10, wherein the DSLAM is further configured to apply the line profile when the measured performance parameter indicates that the first physical DSL line has degraded performance characteristics.

20. (New) A method of adjusting digital subscriber line (DSL) performance, the method comprising:

evaluating a performance of each of a plurality of DSL lines using a computer-based system;

selecting a set of DSL lines from the plurality of DSL lines, the set of DSL lines having degraded performance characteristics based on historical performance data accessible with respect to the computer-based system;

retrieving a plurality of line profiles from a profile database;

measuring a performance parameter for each of the set of DSL lines;

removing, from the set of DSL lines, any DSL line that has a suitable performance based on the corresponding measured performance parameter to create a revised set of DSL lines with degraded performance, wherein each DSL line in the revised set of DSL lines is associated with a corresponding physical DSL line;

applying a line profile selected from the plurality of line profiles to each of the physical DSL lines identified by the revised set of DSL lines;

storing data associated with revised the set of DSL lines; and
reporting the stored data.

21. (New) The method of claim 20, wherein the data reported includes a list of problem lines.

22. (New) The method of claim 21, wherein the data reported further includes a list of lines that do not have suitable performance after applying a corresponding line profile from the plurality of line profiles to each of the physical DSL lines identified by the revised set of DSL lines.

23. (New) The method of claim 22, wherein the data reported further includes performance data before and after applying the corresponding line profile to each of the physical DSL lines identified by the revised set of DSL lines.